

# CONTENTS

## Volume 34, 1967

ALEXANDER, WILLIAM O., JR. AND REDHEFFER, RAY. The excess of sets of complex exponentials. . . . .	59
ARSOVE, MAYNARD G. Intrinsic characterization of regions bounded by closed curves. . . . .	425
ARVESON, WILLIAM B. A density theorem for operator algebras. . . . .	635
ATKIN, A. O. L. Note on a paper of Cheema and Gordon. . . . .	57
AVILA, G. S. S. AND GILBERT, R. P. On the analytic properties of solutions of equation $\Delta u + xu_x + yu_y + c(r)u = 0$ . . . . .	353
BEBERNES, J. W. AND JACKSON, L. K. Infinite interval boundary value problems for $y'' = f(x, y)$ . . . . .	39
BICK, THEODORE A. On orbits in spaces of infinite measure. . . . .	717
BRAWLEY, JOEL. Similar involutory matrices modulo $r$ . . . . .	649
BROOKS, R. M. Boundaries for locally $m$ -convex algebras. . . . .	103
BRYANT, JACK. On convolution and Fourier series. . . . .	117
BUTTS, HUBERT S. AND PALL, GORDON. Factorization in quadratic rings. .	139
CALABI, EUGENIO. On Ricci curvature and geodesics. . . . .	667
CALDWELL, W. V. An algebra of light interior functions. . . . .	225
CARLITZ, L. Arithmetic functions in an unusual setting II. . . . .	757
CARLITZ, L. Recurrences for the Rayleigh functions. . . . .	581
CHEEMA, M. S. AND HASKELL, C. T. Multirestricted and rowed partitions. .	443
CLARK, W. EDWIN. Twisted matrix units semigroup algebras. . . . .	417
DAVIS, HENRY W. On the mean value of Haar measurable almost periodic functions. . . . .	201
DAVIS, HENRY W. Stepanoff and Weyl $AP$ functions on locally compact groups. . . . .	535
DICKMAN, R. F., JR. Unicoherence and related properties. . . . .	343
DITZIAN, Z. AND JAKIMOVSKY, A. An inversion theorem for the Laplace transform. . . . .	183
ELDRIDGE, KLAUS E. AND FISCHER, IRWIN. D.C.C. rings with a cyclic group of units. . . . .	243

FARRELL, R. H. On the existence of idempotents in certain operator algebras.....	233
FILLMORE, P. A. AND TOPPING, D. M. Operator algebras generated by projections.....	333
FISCHER, IRWIN AND ELDRIDGE, KLAUS E. D.C.C. rings with a cyclic group of units.....	243
FITZPATRICK, BEN, JR. AND FORD, RALPH M. On the equivalence of small and large inductive dimension in certain metric spaces.....	33
FORD, RALPH M. AND FITZPATRICK, BEN, JR. On the equivalence of small and large inductive dimension in certain metric spaces.....	33
FRAY, ROBERT D. Congruence properties of ordinary and $q$ -binomial coefficients.....	467
FULTON, JOHN D. Products and linear combinations of involutory matrices in the same $P$ -class.....	431
FULTON, JOHN D. The configurations of vectors invariant under transformation by classes of involutory matrices over a finite field.....	85
GILBERT, R. P. AND AVILA, G. S. S. On the analytic properties of solutions of equation $\Delta u + xu_x + yu_y + c(r)u = 0$ .....	353
GILMER, ROBERT W., JR. Contracted ideals with respect to integral extensions.....	561
GLAESKE, HANS-JURGEN. Eine asymptotische Funktionalgleichung für eine verallgemeinerte Halbgitterfunktion.....	23
GOLDBERG, RICHARD R. On a space of functions of Wiener.....	683
HAHN, KYONG T. Some properties of relative invariants on bounded domains.....	325
HARTMAN, PHILIP. Interpolating families and generalized convex functions	511
HASKELL, C. T. AND CHEEMA, M. S. Multirestricted and rowed partitions	443
HAYES, D. R. A geometric approach to permutation polynomials over a finite field.....	293
HEROD, J. V. Solving integral equations by iteration.....	519
HINTON, DON B. Clamped end boundary conditions for fourth-order self-adjoint differential equations.....	131
HIRSCHMAN, I. I., JR. Matrix-valued Toeplitz operators.....	403
HOFFMAN, KENNETH AND ROSSI, HUGO. Extensions of positive weak*-continuous functionals.....	453

HOWARD, F. T. A sequence of numbers related to the exponential function	599
HOWARD, F. T. Some sequences of rational numbers related to the exponential function	701
HSIUNG, CHUAN-CHIH. On the group of conformal transformations of a compact Riemannian manifold. II	337
HURD, A. E. Backward continuous dependence for mixed parabolic problems	493
JACKSON, L. J. AND BEBERNES, J. W. Infinite interval boundary value problems for $y'' = f(x, y)$	39
JAKIMOVSKY, A. AND DITZIAN, Z. An inversion theorem for the Laplace transform	183
JENSEN, G. A. Characterizations of some function lattices	437
KISHORE, NAND. A class of formulas for the Rayleigh function	573
KRALL, ALLAN M. On the expansion problem for nonself-adjoint ordinary differential operators of second order	163
KWUN, KYUNG WHAN AND RAYMOND, FRANK. Spherical manifolds	397
LAMBERT, H. W. A topological property of Bing's decomposition of $E^3$ into points and tame arcs	501
LARSEN, MAX D. Equivalent conditions for a ring to be a $P$ -ring and a note on flat overrings	273
LONG, ANDREW F. Some theorems on factorable irreducible polynomials	281
LUXEMBURG, W. A. J. AND MOORE, L. C., JR. Archimedean quotient Riesz spaces	725
MACGREGOR, THOMAS H. Majorization by univalent functions	95
MCARTHUR, CHARLES W. A convergence criterion with applications to series in locally convex spaces	193
MARCUS, MARVIN AND NEWMAN, MORRIS. Doubly stochastic associated matrices	591
MAYER, R. A. Fourier series of differentiable functions on $SU(2)$	549
MEIR, A. AND SHARMA, A. Span of linear combinations of derivatives of polynomials	123
MOORE, L. C., JR. AND LUXEMBURG, W. A. J. Archimedean quotient Riesz spaces	725
NEWMAN, MORRIS AND MARCUS, MARVIN. Doubly stochastic associated matrices	591

NORDGREN, ERIC A. Reducing subspaces of analytic Toeplitz operators . .	175
NYMANN, JAMES E. A Minkowskian type bound for a class of relative quadratic fields . . . . .	53
O'NEILL, BARRETT. Submersions and geodesics . . . . .	363
PAK, JINGYAL. Action of $T^m$ on cohomology lens spaces . . . . .	239
PALL, GORDON AND BUTTS, HUBERT S. Factorization in quadratic rings . .	139
PATTY, C. W. Bitopological spaces . . . . .	387
PAYNE, L. E. AND SATHER, D. On a singular hyperbolic operator . . . . .	147
PAYNE, STANLEY E. A consequence of the non-existence of certain generalized polygons . . . . .	555
PETRICH, MARIO. Congruences on extensions of semigroups . . . . .	215
PFALTZGRAFF, J. A. Radial symmetrization and capacities in space . . . .	747
PRILL, DAVID. Local classification of quotients of complex manifolds by discontinuous groups . . . . .	375
RAYMOND, FRANK AND KWUN, KYUNG WHAN. Spherical manifolds . . . .	397
REDHEFFER, RAY AND ALEXANDER, WILLIAM, O., JR. The excess of sets of complex exponentials . . . . .	59
ROSSI, HUGO AND HOFFMAN, KENNETH. Extensions of positive weak*-continuous functionals . . . . .	453
ROVNYAK, JAMES AND ROVNYAK, VIRGINIA. Self-reciprocal functions for the Hankel transformation of integer order . . . . .	771
ROVNYAK, VIRGINIA AND ROVNYAK, JAMES. Self-reciprocal functions for the Hankel transformation of integer order . . . . .	771
RUBENSTEIN, NATHAN. On the Cesari-Cavalieri area of a surface . . . . .	73
SATHER, D. AND PAYNE, L. E. On a singular hyperbolic operator . . . . .	147
SCHAUFELLE, C. C. The commutator group of a double knot . . . .	677
SENGE, H. G. Closed sets of algebraic numbers . . . . .	307
SHARMA, A. AND MEIR, A. Span of linear combinations of derivatives of polynomials . . . . .	123
SHIRALI, SATISH. Symmetry in complex involutory Banach algebras . . . .	741
SMITH, DAVID A. Incidence functions as generalized arithmetic functions .	617
SREBRO, U. Groups of linear fractional transformations . . . . .	49

STAFNEY, JAMES D. A permissible restriction on the coefficients in uniform polynomial approximation to $C[0, 1]$ .....	393
TON, BUI AN. Mixed initial boundary-value problems for semi-linear parabolic equations.....	481
TOPPING, D. M. AND FILLMORE, P. A. Operator algebras generated by projections.....	333
UNGAR, GERALD S. Local homogeneity.....	693
WARNE, R. J. Bisimple inverse semigroups mod groups.....	787
WHITE, PAUL A. The number of solutions of some congruences modulo a product of three primes.....	1
WICKE, H. H. AND WORRELL, J. M., JR. Open continuous mappings of spaces having bases of countable order.....	255
WILLIAMS, G. KENNETH. Non-analytic functions of two complex variables	249
WORRELL, J. M., JR. AND WICKE, H. H. Open continuous mappings of spaces having bases of countable order.....	255
ZAME, ALAN. Note on a paper by M. F. Tinsley.....	231
ZEMANIAN, A. H. Hankel transforms of arbitrary order.....	761
ERRATA.....	813



